

# MATERIAL SAFETY DATA SHEET

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## SECTION 1

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Product Name: BHT FOOD GRADE

Supplier's Name: APCO INDUSTRIES CO. LTD.  
10 Industrial Street,  
Toronto, Ontario M4G 1Z1

Information Telephone: 416-421-6161  
Prepared by M.C. Needham  
Date: October 1, 2009

Manufacturer's Name: HELM AG  
Nordkanalstrabe 28  
D-20097 Hamburg, Germany  
Information Telephone: 040/2375-0

Chemical Name and Synonyms: 2, 6-Di-t-Butyl-p-Cresol,  
4-Methyl-2, 6-Di-t-Butylphenol  
Trade Name and Synonyms: CAO -3, BHT  
Chemical Family: Substituted Hydroxy Toluene

Formula: C15H20O

This product is listed on Canadian DSL and the TSCA Inventory of US-EPA.

WHMIS Classification: Class D Division 2 Subdivision B

TRANSPORTATION DANGEROUS GOODS CLASSIFICATION  
Not a regulated product in Canada.

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## SECTION II - HAZARDOUS INGREDIENTS

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Material	%	TLV (Units)
2,6-Di-t-Butyl-p-Cresol	99 min.	TWA 10 mg/m <sup>3</sup>
CAS # 000128-37-0		STEL 20 mg/m <sup>3</sup>

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## SECTION III - PHYSICAL DATA

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Boiling Point, 760mm. Hg: 262.5  
Freezing Point: 69.9 Deg. C  
Specific Gravity: 1.048 (20 Deg.C)

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Vapor Pressure at 20 Deg. C: No Data Found  
Vapor Density: 7.6  
Solubility in Water: Insoluble  
% Volatiles by Volume: Not Applicable  
Evaporation Rate: Not Applicable  
Appearance and Odor: White Crystals, faint odor.

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## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

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Flash Point: 261 Deg F. (127 Deg.C)  
Autoignition Temperature: No Data Found  
Flammable Limits in Air: No Data Found  
Extinguishing Media: Carbon Dioxide, Dry Chemical, Foam.

Special Fire Fighting Procedures: Full protective equipment including self-contained breathing apparatus should be used. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool and protect closed containers exposed to extreme heat.

Unusual Fire and Explosion Hazards: Closed containers may explode (due to the build-up of pressure) when exposed to extreme heat.

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## SECTION V - HEALTH HAZARD DATA

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Threshold Limit Value: TWA 10 mg/m<sup>3</sup>, STEL 20 mg/m<sup>3</sup>

Emergency and First Aid Procedures: IF INHALED: If affected, remove from exposure. Restore breathing. Keep warm and quiet. IF ON SKIN: Wash affected area thoroughly with soap and water. IF IN EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention.

IF SWALLOWED: Never give anything by mouth to an unconscious person. Give several glasses of water. If vomiting is not spontaneous, induce vomiting by gently touching the back of the patients throat with a finger. Keep airway clear. Seek medical attention.

Toxicity Data: Oral LD50 (rat) 890 mg/Kg

Special Hazard: Irritating to eyes and Skin. (Irritant)

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SECTION VI - REACTIVITY DATA  
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Stability: Stable  
Incompatibility: Oxidizing agents, strong mineral acids.  
Hazardous Decomposition Products: BY FIRE: Carbon Dioxide  
and Carbon monoxide.  
Hazardous Polymerization: Will not occur.  
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SECTION VII - SPILL OR LEAK PROCEDURES  
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Steps to be Taken in Case the Material is Spilled or  
Released: Collect the material for reclaim or place in a  
covered waste disposal container.

Waste Disposal Method: Landfill or incinerate in approved  
facility. DO NOT INCINERATE closed container. Dispose of in  
accordance with federal, state and local regulations  
regarding pollution.  
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SECTION VIII - SPECIAL PROTECTIVE INFORMATION  
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Respiratory Protection: Use ventilation and other  
engineering controls to reduce exposure below the limits of  
SECTION V. Wear a respirator approved by NIOSH/MSHA for  
protection against: Organic dust, mists and vapors.

Ventilation: Local exhaust recommended for dust control

Protective Gloves: Rubber, neoprene or vinyl.

Eye Protection: Wear safety glasses with unperforated side  
shields or chemical safety goggles.

Other Protective Equipment: Safety Shower, eye wash.

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